

From: "Eron Dodak" <edodak@integral-corp.com>
To: "Novak, Madi" <Novak.Elisabeth@epa.gov>
CC: "Michael PINTO" <michael.pinto@totalenergies.com>
petersonle@cdm.com
"Wardah Azhar" <azharw@cdmsmith.com>
Date: 7/6/2022 3:48:16 PM
Subject: RE: Arkema Project Area - Proposed Phase 2 Schedule

Thanks Madi. Will do.

ERON DODAK

Tel: 503.943.3614 | Cell: (b) (6)

INTEGRAL CONSULTING INC.

From: Novak, Madi <Novak.Elisabeth@epa.gov>
Sent: Wednesday, July 6, 2022 1:58 PM
To: Eron Dodak <edodak@integral-corp.com>
Cc: Michael PINTO <michael.pinto@totalenergies.com>; petersonle@cdm.com; Wardah Azhar <azharw@cdmsmith.com>
Subject: RE: Arkema Project Area - Proposed Phase 2 Schedule

[CAUTION: External email. Think before you click links or open attachments.]
Thank you Eron,

Thanks Eron,
Let's do Tuesday from 2 to 3 pm. If you don't mind sending the invite please include Lance, Wardah and me.
Thank you,
Madi

From: Eron Dodak <edodak@integral-corp.com>
Sent: Wednesday, July 6, 2022 1:27 PM
To: Novak, Madi <Novak.Elisabeth@epa.gov>
Cc: Michael PINTO <michael.pinto@totalenergies.com>; petersonle@cdm.com
Subject: RE: Arkema Project Area - Proposed Phase 2 Schedule

Hi Madi,

Below are some dates and times that work for our team. Please let me know if any of these will work for you and I'll send a Teams invite. Thanks!

- Monday July 11: 9-10 AM Pacific Time
- Tuesday July 12: 9-10 AM, 10-11 AM, and 2-3 PM Pacific Time

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INTEGRAL CONSULTING INC.

From: Novak, Madi <Novak.Elisabeth@epa.gov>
Sent: Wednesday, July 6, 2022 7:08 AM
To: Eron Dodak <edodak@integral-corp.com>
Cc: Michael PINTO <michael.pinto@totalenergies.com>; petersonle@cdm.com

Subject: RE: Arkema Project Area - Proposed Phase 2 Schedule

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Thank you for the summary, Eron,

(b) (6) Please provide some dates and times that work for you.

Thank you,
Madi

From: Eron Dodak <edodak@integral-corp.com>

Sent: Thursday, June 23, 2022 12:13 PM

To: Novak, Madi <Novak.Elisabeth@epa.gov>

Cc: Michael PINTO <michael.pinto@totalenergies.com>; peterpersonle@cdm.com

Subject: Arkema Project Area - Proposed Phase 2 Schedule

Hi Madi,

As Mike Pinto mentioned in a voice mail message to you late last week, we have contacted multiple sonic drilling contractors and none are available until October. This is not an ideal time to start since we would not be able to complete the work before winter weather poses health and safety risks. Additionally, Coastal Monitoring Associates (CMA), required for the Trident Probe and ultra seep study, are booked up for the rest of the year. The sonic drilling contractors and CMA may be available for short stints this summer, but we would only be able to do a portion of the Phase 2 work. Below are some thoughts on the next steps for the Phase 2 work.

We will set up a short call or meeting to discuss the schedule (b) (6) Thanks!

- July or August 2022: Vibracore stations using Marine Sampling Systems vibracore system with their vibracoring system that uses a high-frequency linear hammer. This system should be able to advance the cores to a full 20 ft depth, so a subset (approximately 10-12) of the cores slated for sonic drilling where bedrock is shallower could be collected with a vibracore.
- October 2022: Sonic borings at the top of bank and riverbank piezometer installation. Installing the piezometers this fall would allow us to collect transducer data until the groundwater discharge study is conducted. The work could be completed before winter weather poses health and safety risks. Installing ahead of the groundwater discharge study allows the piezometer data to better inform the Trident Probe and ultraseep work.
- Spring/summer 2023:
 - Groundwater discharge study (UltraSeep and Trident Probe). This timing would allow the Groundwater Extraction and Treatment System modifications and optimization to be completed and the system to operate for at least six months prior to the groundwater study. This should provide a better understanding of the future ground water flow and potential contaminant flux for design. Sampling prior to operating the upgraded system would affect the accuracy and reliability of the sufficiency assessment.
 - Complete the 20-25 remaining Phase II sediment cores with a sonic rig.

ERON DODAK | Senior Science Advisor

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